

SOURCE WATER PROTECTION EDUCATION STRATEGY GIS/GPS AND WATER WELLS

Recommendation #10 in the Six Nations of the Grand River Hydrogeological Study, by Neegan Burnside, June 2005, states

"All unused wells, including used bored wells/cisterns, should be abandoned and properly decommissioned immediately."

To support this recommendation, the Environment Office is starting a mapping project of all water wells. This mapping project will use Geographical Information Systems(GIS) and Global Positioning System(GPS) technology.

If you own a water well, please contact the Environment Office at 519-445-0853. With your help and permission, we can develop an implementation strategy to ensure that this recommendation is completed as soon as possible.



Six Nations of the Grand River
Hydrogeological Study

June 2005

NEEGAN BURNSIDE

Prepared By:

Neegan Burnside Engineering and Environmental Ltd.

Did you know ...?

... there are approximately 1,450 wells on Six Nations, as of June 2005.

... wells that are no longer used or maintained are a *direct* pipeline for *contamination* to the groundwater.

... unused and unmaintained wells that have not been sealed/plugged properly pose a health and safety hazard for animals and humans, *especially for children*.

... of the wells tested in June 2005, 97% had vermin present. These vermin include dead frogs, snakes, rats, insects and other animals.

... the standard separation distance between a well and a septic system is 30 metres. 49% of wells inspected in 2005 were less than 30m away from a septic system.

SIX NATIONS GEOLOGIC CONDITIONS AND TYPICAL WELL CROSS SECTIONS

